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COUNTRY Soviet Zone of Germany

REPORT NO.

TOPIC Manual on Training of Soviet Motor Transport Troops

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EVALUATION

PLACE OBTAINED

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DATE OF CONTENT 25X1A

DATE OBTAINED DATE PREPARED 26 April 1950

REFERENCES

PAGES 5 ENCLOSURES (NO. &amp; TYPE)

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REMARKS

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SOURCE

1. A copy of the Motor Transport Manual of the Soviet Armed Forces, Part I, was secured in mid-March 1950.

2. Contents of the manual :

The manual was issued by the Administration of Motor Transport of the Ministry of the Armed Forces and reprinted by the Berlin publishing house of the Sovetskoye Slovo (newspaper of the SCC) in 1949. The printing license was signed by Lt. Gen (Tech) Tyagunov, Chief of the Administration of Motor Transport.

The manual has the following chapters :

- I. General
- II. SOP for Motor Vehicles of the Armed Forces
- III. Motor Transports (Types and Organization)
- IV. Maintenance of Motor Vehicles
- V. Fuel, Lubricants etc.
- VI. Supply of Troop Units with Motor Vehicles and Spare Parts
- VII. Motor Pools (Organization and Operation)
- VIII. Regulations for Drivers
- IX. Accidents and how to Prevent them
- X. Special Duties of Motor Transport Personnel.

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This document is hereby regraded to CONFIDENTIAL in accordance with the letter of 16 October 1978 from the Director of Central Intelligence to the Archivist of the United States.

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The following noteworthy charts were translated :

a. Change of the octane rating of gasoline caused by an admixture of type B-20 ethyl-fluids (page 116) :

Origin of gasoline	Milliliter of B-20 on 1 liter gasoline		
	0	1	2
	Octane number of gasoline		
Grozny	61.5	71.2	75
Saratov	66	72	76
Baku	64	73	75.2
Orsk	63	71	76.2
Ufa (sulfurate)	60	69	71

b. Fuel consumption and capacity of fuel tanks and cooling systems of Soviet motor vehicles (Chart 31) :

Consecu- tive No.	Motor ve- hicle type and model	Fuel <u>Consumption</u> <u>Capacity in liters</u>						
		per 100 km	of the fuel tank	of the lubri- cating system	of the trans- mis- sion	of the cooling system	5	6
1	2	3	4	5	6	7		
<u>Soviet passenger car</u>								
1.	GAS-M-1	14.5	60	4.7	2.75	12		
2.	GAS-415 (pick-up truck)	13.0	-	4.7	2.75	-		
3.	GAS-A	12.0	40	4.7	-	12		
4.	GAS-64	15.0	90	4.7	-	12		
5.	GAS-67	15.0	-	4.7	-	12		
6.	GAS-61	15.4	60	4.7	-	12		
7.	ZIS-101	25.5	80	12.0	-	20		
8.	KIM-10	10.0	-	-	-	-		

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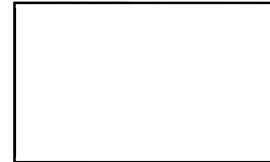
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Consecu- tive No.	Motor ve- hicle type and model	<u>Fuel consumption</u>			<u>Capacity in liters</u>		
		per 100 km	of the fuel tank	of the lubri- cating system	of the trans- mission	of the cooling system	

1	2	3	4	5	6	7
<u>Soviet trucks</u>						
1.	GAS-MM	20.5	40	4.7	6.0	12
2.	GAS-AA	20.5	40	4.7	6.0	12
3.	GAS-60	57.0	10.5	4.7	-	-
4.	GAS-AAA	25	100	4.7	3.25	14
5.	GAS-42 (wood-gas generator)	1.0/1.5	-	4.7	6.0	12
6.	GAS-SS (ambulance)	20.5	40	4.7	6.0	12
7.	GAS-3-S--1 (dump truck)	21.0	40	4.7	6.0	12
8.	GAS-03-30 (bus)	13.5	-	-	-	-
9.	GAS-AA (fire truck)	20.5	40	4.7	6.0	12
10.	GAS-05-193 (bus)	27.0	-	-	-	-
11.	ZIS-5-8	34	60	7.0	7.0	23
12.	ZIS-6	41	105	7.0	7.0	24 (32)
13.	ZIS-21 (wood gas generator)	1.5/2.5	7.5	7.0	7.0	24 (32)
14.	ZIS-32	66.2	115	7.0	7.0	24 (32)
15.	ZIS-L (3-axle bus)	41.5	-	-	-	-
16.	YaG-3	43.0	-	-	-	-
17.	Ya-5	47.0	-	-	-	-
18.	ZIS-10 (prime mover)	41.5	65	7.0	7.0	23
19.	ZIS-16 (bus)	37.0	110	7.0	7.0	32

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Consecu- tive No.	Motor ve- hicle type and model	<u>Fuel consumption</u>		<u>Capacity in liters</u>		
		per 100 km	of the fuel tank	of the lubri- cating system	of the trans- mis- sion	cooling system
1	2	3	4	5	6	7
20.	ZIS-11 (fire truck)	34.0	120	7.0	7.0	32
21.	ZIS-33 (wheeled vehicle)	43.0	185	7.0	-	-
22.	ZIS-33 (track-laying vehicle)	85.0	185	7.0	-	-
23.	ZIS-42 (half-track vehicle)	60.0	300	7.0	-	-
24.	Also with ZIS-5 engine	55.0	300	7.0	-	-
25.	ZIS (fire truck)	34.0	60	7.0	7.0	32
26.	YaG-4-6	43.5	177	7.0	-	53
27.	YaG-10	55.6	177	7.0	-	53
28.	YaS-3 (dump truck)	45.6	177	7.0	-	53
29.	AMO-3-4	34.0	-	-	-	-
30.	ZIS-5 (dump truck)	35.5	-	-	-	-

Note:

The standard fuel consumption quantity for wood-gas generators refers only to a 100-km ride, the first number referring to summer, the second to winter. Small wooden blocks are principally used; consumption per 100 km: GAS-42 to 60 kg; ZIS-21 to 90 kg.

c. Load capacity of the most important motor vehicles (chart 1) :

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Motor vehicle type and model	<u>Ton capacity</u>	
	On good roads	On bad roads and in cross-country driving
GAS-A	-	-
GAS-M-1	-	-
GAS-M-415	0.5	0.5
GAS-67	-	-
GAS-AA and GAS-MM	1.5	1.5
GAS-AAA	2.0	1.5
ZIS-5, ZIS-6, and ZIS-8	3.0	2.5
YaG-6	5.0	3.5

## d. Passenger capacity of motor vehicles (chart 54) :

GAS-AA and GAS-AAA	16 to 18 men
ZIS-5 and ZIS-6	24 men
YaG-5 and YaG-6	30 men.

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